

Date: Wed, 14 Apr 93 08:31:18 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #461
To: Info-Hams

Info-Hams Digest Wed, 14 Apr 93 Volume 93 : Issue 461

Today's Topics:

10meters..and a mini flame.
ARRL Bulletin 39 ARLB039
ARRL Bulletin 40 ARLB040
ARRL Bulletin 41 ARLB041
Building a J-pole
Cable TVI interference
dualband HT with alpha display???
DX Envelopes
Gray line Dxing
Ham radio: The dull alternative
KA6MWT sez Reallocate 10meters to CB?!!! (2 msgs)
n8emr callsign server
Postal Prowess...
Power Company can play rough!
Receiving Amateur TV
SPECIAL BULLETIN 4 ARLX004
Yeadu cat program

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 14 Apr 1993 14:07:43 GMT
From: sdd.hp.com!swrinde!emory!news-feed-1.peachnet.edu!darwin.sura.net!
mojo.eng.umd.edu!chuck@network.UCSD.EDU
Subject: 10meters..and a mini flame.
To: info-hams@ucsd.edu

In article <1993Apr13.184121.16519@btree.uucp> bly@btree.uucp (Roger Bly) writes:

>Personally, I find the "bootleggers" much more interesting to talk to than
>the hams. It also gives me a chance to work on my Spanish. Any time you try
>to cram 4 million people into 40 channels you're going to have a problem.
>I think that we should reallocate a big chunk of 10m to CB. And give them
>some VHF/UHF also. After all, the "waves" belong to the citizens. Seems

<<FLAME - on>>

Gee, and what do you think most of us hams are? WE'RE CITIZENS YOU ASS!

And as to your fondness for talking with the "bootleggers", they are not in the amateur radio service. Your license doesn't permit you to broadcast, or to communicate with other radio services. (except in the case of an emergency, of course.)

<<FLAME - off>>

>sad that after allocations for government, business, international satellites,
>common carrier, amateur, etc., that the citizens are left with 40 channels.
>Now I know how the American Indians feel.

>

>-Roger Bly (ka6mwt)

Chuck Harris - WA3UQV
chuck@eng.umd.edu

Date: Wed, 14 Apr 93 14:30:29 GMT
From: swrinde!zaphod.mps.ohio-state.edu!mstar!n8emr!bulletin@network.UCSD.EDU
Subject: ARRL Bulletin 39 ARLB039
To: info-hams@ucsd.edu

=====
| Automatic relayed from packet radio via |
| N8EMR's Ham BBS, 614-895-2553 |
=====

ZCZC AG80
QST de W1AW
ARRL Bulletin 39 ARLB039
>From ARRL Headquarters
Newington CT April 13, 1993
To all radio amateurs

SB QST ARL ARLB039
ARRLB039 Ex-FCC head dies

Ex-FCC head dies

Former FCC Chairman Robert E. Lee died April 6, 1993, and was remembered by the Commission as its longest-serving commissioner. Lee, who was born in Chicago in 1912, was a commissioner from 1953 to 1981, having been appointed by President Eisenhower and reappointed by Presidents Johnson and Nixon. He served briefly as chairman of the Commission, from February 5 to May 18, 1981, in the initial days of the Reagan administration.

Before joining the FCC as an auditor Lee was an FBI special agent, an administrative assistant to FBI Director J. Edgar Hoover, and a Director of Surveys and Investigations for the Appropriations Subcommittee of the House of Representatives.

NNNN

Date: Wed, 14 Apr 93 14:30:29 GMT
From: swrinde!zaphod.mps.ohio-state.edu!mstar!n8emr!bulletin@network.UCSD.EDU
Subject: ARRL Bulletin 40 ARLB040
To: info-hams@ucsd.edu

=====
| Automatic relayed from packet radio via |
| N8EMR's Ham BBS, 614-895-2553 |
=====

ZCZC AG81
QST de W1AW
ARRL Bulletin 40 ARLB040
>From ARRL Headquarters
Newington CT April 13, 1993
To all radio amateurs

SB QST ARL ARLB040
ARRLB040 More power denied

More power denied

The FCC has denied a request for a waiver of the amateur 1,500 watt power output limitation. Dale Gagnon, KW1I, of Bowe, NH, had asked for the waiver earlier, as well as a reconsideration of the FCC's original denial. The FCC said that Gagnon's latest request for a waiver ''has not shown that his circumstances are unique nor has he presented any facts that would warrant a waiver.''

Gagnon wanted the waiver for his own use, to legally operate on AM

at a PEP power more than 1,500 watts output.
NNNN

Date: Wed, 14 Apr 93 14:30:29 GMT
From: swrinde!zaphod.mps.ohio-state.edu!mstar!n8emr!bulletin@network.UCSD.EDU
Subject: ARRL Bulletin 41 ARLB041
To: info-hams@ucsd.edu

=====
| Automatic relayed from packet radio via |
| N8EMR's Ham BBS, 614-895-2553 |
=====

ZCZC AG82
QST de W1AW
ARRL Bulletin 41 ARLB041
>From ARRL Headquarters
Newington CT April 13, 1993
To all radio amateurs

SB QST ARL ARLB041
ARRLB041 Electronic filings

Electronic filings

The FCC on April 1 changed its rules to allow for the eventual
'electronic' filing of license applications in the private radio
services. Currently all license applications must include a
handwritten signature. Last October Congress amended the
Communications Act of 1934 to allow electronic filing of
applications, applications signed 'in any manner or form, including
by electronic means, as the Commission may prescribe by regulation.'

Any changes to come will only be after the FCC has established
procedures for electronic filing; for now amateurs, and all others,
are still bound by the handwritten signature requirement.
NNNN

Date: Wed, 14 Apr 1993 13:58:52 GMT
From: swrinde!sdd.hp.com!hpscit.sc.hp.com!hpuerca.atl.hp.com!edh@network.UCSD.EDU
Subject: Building a J-pole
To: info-hams@ucsd.edu

In <JMESSING.19.0@novell.com> JMESSING@novell.com (Jeff Messinger) writes:

>I have heard that a J-pole does pretty well on
>2 meters and possibly on other frequency bands.
>Does anyone have any good j-pole designs or know
>where I could get a hold of some and does anyone
>have any thoughts or experiences with a j-pole
>and what bands it can be used for would be
>appreciated. Replies can be put on net or
>emailed to me.

Just for net.info: every since I cleaned up some problems with
j-pole designs I'd found on packet ages ago and wrote an article
showing a simple way to build it, I have routinely forwarded
the plans for a copper tube j-pole or tv twin-lead j-pole to
anyone that requests it. I have sent the files to the CD-ROM
assemblers, and expect the plans to appear there as well.

There is probably no need to flood the net with reposts of my
article when requests of this type appear. I do occaisionally
repost it myself if I see a flood of requests that indicate to
me that a new group of readers has come on the net and makes
it worth net.casting.

P.S. I also have simple plans for a really nifty little
multi-band wire antenna that has enjoyed much popularity.

Cheers & 73 Ed Humphries N5RCK
Hewlett-Packard NARC Atlanta GA
edh@hpuerca.atl.hp.com

Date: 14 Apr 93 12:06:58 GMT
From: swrinde!gatech!howland.reston.ans.net!newsserver.jvnc.net!netnews.upenn.edu!
priyat!triangle.cs.uofs.edu!bill@network.UCSD.EDU
Subject: Cable TVI interference
To: info-hams@ucsd.edu

In article <1375@wells.UUCP>, edw@wells.UUCP (Ed Wells) writes:

|>
|> It seems to me that the cable TV industry decided to use the same
|> frequencies in the cable that are used as many other ham and/or commercial
|> frequencies outside the cable, and now that leakage/acceptance is occuring,
|> they don't know how to deal with the monster they've created,
|> or their irate customers (who probably are demanding refunds).

How could they have done otherwise?? Cable frequencies start at 2 Mhz and

go up to almost 1 Ghz according to the published industry standards.
Most Cable TV starts at 54 Mhz and has at least 38 channels. Let's see,
 $38 * 6 = 228!!$ That makes it from 54 Mhz to 282 Mhz. That covers 2 ham
bands (and pretty close to a third) and dozens of other services. Short of
fixing their leaks, there is no way to avoid interference. At least until
they get the fiber in. ;-)

bill KB3YV

--

```
Bill Gunshannon      | "There are no evil thoughts, Mr. Reardon" Francisco  
bill@cs.uofs.edu     | said softly, "except one; the refusal to think."  
                     | #include <std disclaimer.h>
```

Date: Wed, 14 Apr 1993 11:22:53 GMT
From: yuma!yuma.acns.colostate.edu!hemstreet@purdue.edu
Subject: dualband HT with alpha display???
To: info-hams@ucsd.edu

My wife recently passed her tech-nocode and I am looking for a
dualband HT that has an alphanumeric display. Particularly, I am
looking for something that will display a short phrase with the
frequency to help her keep the freq's straight. So if she was on
145.115, the display would also say NCARC Repeater. Or 147.570
Simplex1... you get the idea. Any recommendations?

Charles (N0TQJ/AG)

--

```
!=====!  
! Charles H. Hemstreet IV      !internet: hemstreet@cs.Colostate.Edu      !  
! Colorado State University    !      or hemstreet@lamar.Colostate.Edu    !  
!=====!
```

Date: Wed, 14 Apr 1993 14:02:23 GMT
From: sdd.hp.com!nigel.msen.com!spool.mu.edu!uwm.edu!cs.utexas.edu!
tamsun.tamu.edu!TAYLOR.TAMU.EDU!gtaylor@network.UCSD.EDU
Subject: DX Envelopes
To: info-hams@ucsd.edu

In article <9304140009.AA13696@cmr.ncsl.nist.gov> rc@cmr.ncsl.nist.gov (Robert
Carpenter) writes:

>From: rc@cmr.ncsl.nist.gov (Robert Carpenter)
>Subject: DX Envelopes

>Date: 14 Apr 93 00:09:54 GMT

>

>I note a couple of posting that recommend DX envelope sizes of 19mm x 14mm.
>That is about the size of my thumb-nail. I hope QSL cards aren't getting to
>be THAT small. Hard on the eyes when you're my age.

>

>73, Bob W3OTC

Wondered how long it would take...noticed that as soon as I hit the enter
key. As can be seen the metric system does not yet easily make the
transition from my brain to (in this case) the keyboard. !!!

73, Greg

Greg Taylor, KD4HZ // g-taylor4@tamu.edu // 409-845-4445 // Fax-847-8744

Date: Wed, 14 Apr 1993 14:39:48 GMT

From: swrinde!gatech!howland.reston.ans.net!wupost!uwm.edu!linac!att!cbnewsm!

jeffj@network.UCSD.EDU

Subject: Gray line Dxing

To: info-hams@ucsd.edu

In article <3m7X2B1w165w@jackatak.raider.net> jackhill@jackatak.raider.net (Jack
GF Hill) writes:

>jeffj@cbnewsm.cb.att.com (jeffrey.n.jones) writes:

>> the other day I made my first attempt at gray line dxing from here

>> in the San Francisco bay area. I worked a Taiwan ham on 40 meters

>> at around 0100UTC (6:00am) for my only second DX contact on 40 meters.

> ^^^^ ^^

>No matter your clock is twelve hours off...you made the contact.

>Congratulations!

Whoops, as you probably guessed I meant 1300 which is why I have a
clock set to UTC in my shack. Was really pleased to work that Taiwan
station! I had the mistaken notion that the gray-line was set in stone
and didn't wander a bit so that the countries along the gray-line would
always remain the same. After playing with a program that shows the
gray-line around the world, it definitely wanders a bit and various parts
of the world show up along it according to the time of the year it is.
Now if I could only get up early enough to work it. 8-) 73!

Jeff

--

Jeff Jones AB6MB | OPPOSE THE NORTH AMERICAN FREE TRADE AGREEMENT!
jeffj@seeker.mystic.com | Canada/USA Free Trade cost Canada 400,000 jobs.
Infolinc BBS 415-778-5929 | Want to guess how many we'll lose to Mexico?

Date: Wed, 14 Apr 1993 14:44:31 GMT
From: csus.edu!netcom.com!btoback@decwrl.dec.com
Subject: Ham radio: The dull alternative
To: info-hams@ucsd.edu

In article <5FgZ2B1w165w@twiki.PDX.COM> peterl@twiki.PDX.COM (Peter Lee) writes:
>btoback@netcom.com (Bruce Toback) writes:

>
>>>sometimes treated more like pets than people. Not only were there
>no girls or women among the 20 or so applicants at the VE session
>I went to, but none of the VEs were women.
>>>
>
>I was rather perplexed at this well intentioned comment.

Sorry... I was too fast with the proofreading. The two sentences aren't directly related. The second part of that should have been introduced with my observation that amateur radio still seems to be a mostly male hobby. The first part relates to references to women in amateur radio publications. I agree that counting heads isn't necessarily a good test of a group's attitude.

-- Bruce Toback

Date: 14 Apr 93 13:37:46 GMT
From: news-mail-gateway@ucsd.edu
Subject: KA6MWT sez Reallocate 10meters to CB?!!!
To: info-hams@ucsd.edu

Roger, KA6MWT...

Sorgatz has pretty much hit it on the head. And it's not like it's hard to get a ham license, y'know....

(are there officially any CB licensees anymore? the service exists in the rules, but, gee, without licenses, there's no count of the users -- maybe we can mount a charge to have 11m assigned to the amateur service again 8)).

bill wb9ivr

Date: Wed, 14 Apr 93 14:37:46 GMT
From: walter!porthos!dancer!whs70@uunet.uu.net
Subject: KA6MWT sez Reallocate 10meters to CB?!!!
To: info-hams@ucsd.edu

In article <9304141340.AA25966@ucsd.edu>
William=E.=Newkirk%Pubs%GenAv.Mlb@ns14.cca.CR.rockwell.COM writes:
>Roger, KA6MWT...
>
>Sorgatz has pretty much hit it on the head. And it's not like it's hard to
>get a ham license, y'know....
>
>(are there officially any CB licensees anymore? the service exists in the
>rules, but, gee, without licenses, there's no count of the users -- maybe we
>can mount a charge to have 11m assigned to the amateur service again 8)).
>
>bill wb9ivr

The FCC gave up issuing licenses for CB at least 15 years ago. All
one needs today is the CB rig. NO license required.

Despite that, I see no probability that the FCC would reassign the CB
frequencies to hams. The CB channels, whether one cares about them
or not are used and are heavily populated. Also
as others have pointed out, the usual "uncrowded
conditions" of our 10m band doesn't provide any solid argument in favor
of enlarging the 10m band.

Seems to me we need to better utilize 10m before we ask for more
adjacent frequencies to the 10m band. I don't see why many local
net type operations can't use 10m, especially at night. I'd
think that would be better than running the same net on a 2m
repeater or 2m simplex.

Just my thoughts.

Standard Disclaimer- Any opinions, etc. are mine and NOT my employer's.

Bill Sohl (K2UNK) BELLCORE (Bell Communications Research, Inc.)
Morristown, NJ email via UUCP bcr!cc!whs70
201-829-2879 Weekdays email via Internet whs70@cc.bellcore.com

Date: 14 Apr 93 13:24:38 GMT
From: news-mail-gateway@ucsd.edu

Subject: n8emr callsign server
To: info-hams@ucsd.edu

Does anyone know if the n8emr callsign server is still accessible via Internet?
I recently tried querying n8emr!callbook@tut.cis.ohio-state.edu but haven't
received a response. Are there any other callsign servers reachable via email?

Thanks and 73,
Scott

--

Scott Ginsburg	Voice: 617-280-2336
Wellfleet Communications	Internet: ginsburg@wellfleet.com
15 Crosby Drive	Amateur Radio: WA2CJT
Bedford, MA 01730	Packet: wa2cjt@n0ary.#nocal.ca.usa.na

Date: 14 Apr 93 12:47:48 GMT
From: news-mail-gateway@ucsd.edu
Subject: Postal Prowess...
To: info-hams@ucsd.edu

> respecting card collector would have the tastiest ones displayed near a
> certificate, and the rest in teachests in the attic.

Oh my gawd. I've got the certificates. I've got the tastiest cards
tastefully displayed discretely near the certificates. But I don't have
the teachests in the attic. Does anyone have an address where I can order
the teachests before someone notices?

steve - W3GRG
mosier@iris.uncg.edu dit dit

Date: 14 Apr 93 15:20:43 GMT
From: news-mail-gateway@ucsd.edu
Subject: Power Company can play rough!
To: info-hams@ucsd.edu

Bill wb6rzg writes:

> You should always try the 'honey' approach before bringing out the
> Jack Nicholson impressions..... >:-)
>
> This has worked for me in the past with the power company when trying to
> find loose/noisy high voltage lines/hardware. Only once did I have to
> tell them I was narrowing the problem down to a specific pole by bumping

> a whole line of poles with my car. Got 'em out there THAT NIGHT. And, they
> didn't have to meet Jack!
>
> As a disclaimer, THEIR method for finding loose hardware was usually
> whacking the poles with a huge sledgehammer after their high tech arc-
> finding 'scope couldn't find the problem.
>
>
>
> Bill
> wb6 rotten zucchini garden

This can be hazardous! When I was in graduate school, I had a 20 beam on top of the house we were renting and had a regular sked with a friend in Australia. I started getting serious interference from a nearby powerline tranformer which was easily isolated first with the beam and then with a portable AM BC radio. So I called the power company and told them that they had a bad transformer. Nothing happened until, two weeks later, the transformer failed spectacularly.

About a month after that, the next transformer in line (about a block away) started to put out interference. I called the power company again, this time I went further up the chain. Still nothing was done until *that* transformer caught fire. A short time later, a third transformer in the neighborhood also started to put out noise. I called again (I figured 1) the transformers were near their design lifetime and the power company maintenance people would eventually figure this out and replace all of them and 2) by now they would listen to me!). What happened was that I got a call from the local FBI office. They (politely) wanted to know what I had done to upset the power company. So I explained the situation. I had been reported to the FBI as possibly sabotaging a public utility! Fortunately, the FBI had had a couple of previous calls from the power company trying to use them to harrass individuals that had been fighting various power company actions.

Apparently, nothing came of this as I had no problem with my security clearance :-)

~~a

Kerry Kingham | Internet: kak@CygX3.usno.navy.mil
WA4BQM | Packet : WA4BQM@WA3ZNW.MD.USA

Date: 14 Apr 93 09:28:58 EST
From: titan.ksc.nasa.gov!titan.ksc.nasa.gov!nntp@ames.arpa
Subject: Receiving Amateur TV

To: info-hams@ucsd.edu

In article <ARA.93Apr14022213@camelot.ai.mit.edu>, ara@zurich.ai.mit.edu (Allan Adler) says:

>
>
>I'm not very knowledgeable about ham radio or equipment, but I am
>somewhat affiliated with the amateur radio club at the University
>of Rhode Island (by the way, I don't live in the Boston area, so
>please don't refer me to stuff at MIT). Anyway, I'm trying to
>interest them in developing the capability to receive amateur
>television. In order to do this, it is my job to find out what equipment
>is needed and what it costs.
>
>The club has a 286 PC clone and a not very impressive monitor. It also
>has a TNC, antenna, etc. The TNC is an AEA PK-232.
>
>I was told by someone that in order to pick up Amateur TV, one
>only needs to have a board for the PC, maybe a new monitor (unspecified)
>and a chip for the TNC.
>
>Can someone tell me EXACTLY what one needs and what it costs and where
>to get it cheap? It's useless to tell me to look in QST and other magazines
>for ads, since I am not yet knowledgeable enough to decide whether they
>are really meeting the need or not. NOrmally, I would take the time to
>learn, but I am under time pressure on this.
>
>Allan Adler
>ara@altdorf.ai.mit.edu

Use a cable ready TV, tune to channel 57 (55-60 is most common), and
besure to use a 440 (actually 420MHz is best) beam and point it towards
the ATV transmitter.

Good luck,
Tom

Date: Wed, 14 Apr 93 12:30:52 GMT
From: swrinde!zaphod.mps.ohio-state.edu!mstar!n8emr!bulletin@network.UCSD.EDU
Subject: SPECIAL BULLETIN 4 ARLX004
To: info-hams@ucsd.edu

=====
| Automatic relayed from packet radio via |
| N8EMR's Ham BBS, 614-895-2553 |
=====

ZCZC AX13
QST DE W1AW
SPECIAL BULLETIN 4 ARLX004
FROM ARRL HEADQUARTERS
NEWINGTON CT APRIL 13, 1993
TO ALL RADIO AMATEURS

JOHNSON FETE PLANNED

THE VIKING AMATEUR RADIO SOCIETY OF WASECA, MINNESOTA, WILL CELEBRATE THE 70TH ANNIVERSARY OF ITS PARENT COMPANY, THE E.F. JOHNSON CO., IN JUNE. THE CLUB WILL OPERATE FROM ONE OF THE COMPANY'S ORIGINAL BUILDINGS IN WASECA ON JUNE 18-20 AND AGAIN DURING ARRL FIELD DAY JUNE 25-27.

THE CLUB HAS ASKED FOR SPECIAL PERMISSION TO USE THE CALL SIGN 9ALD, THE ORIGINAL CALL OF THE COMPANY'S FOUNDER EDGAR F. JOHNSON (WHO DIED IN 1991). IF THAT PERMISSION IS NOT FORTHCOMING FROM THE FCC, THE CLUB WILL USE ITS OWN CALL SIGN, WA0CJU.

OPERATIONS ARE PLANNED ON ALL 'NON-WARC' BANDS FROM 160 TO 10 METERS, ON AM, SSB AND CW, WITH QSLs AND CERTIFICATES GOING TO THOSE CONTACTING THE STATION. GUEST OPERATORS ARE WELCOME, AND THE CLUB HAS A TELEPHONE HOTLINE FOR INFORMATION: 507-835-6612.
NNNN

Date: 14 Apr 93 12:49:45 GMT
From: news-mail-gateway@ucsd.edu
Subject: Yeasu cat program
To: info-hams@ucsd.edu

Received: from rigel.mc.xerox.com (rigel.eso.mc.Xerox.COM) by
zombi.eso.mc.Xerox.COM (4.1/SMI-4.1) id AA18434; Wed, 14 Apr 93 08:49:33 EDT

I have a cat interface box for my Yeasu 736R but Yeasu does not offer the software to talk to it. Does anyone know of a program (preferably with source code) for a PC that will communicate with Yeasu radios?

A pointer to an internet ftp site is fine.
adTHANKSvance,
=Mark=
phillips.henr801c@xerox.com

Date: Wed, 14 Apr 1993 14:51:40 GMT
From: telesoft!garym@uunet.uu.net
To: info-hams@ucsd.edu

References <1993Apr11.001148.3951@telesoft.com>,
<1993Apr12.183540.27174@telesoft.com>, <1993Apr13.162011.29489@telesoft.com>
Subject : STS-56 Element Set (104.25)

The following STS-56 elements for orbit 97 were provided courtesy of
Robert Kliman at JSC.

--GaryM

STS-56

1 22621U 93 23 A 93104.25176571 +.00045467 00000-0 13024-3 0 216
2 22621 57.0049 151.0369 0003961 279.5591 80.5039 15.92828848 978

Satellite: STS-56

Catalog number: 22621

Epoch time: 93104.25176571 (14 APR 93 06:02:32.56 UTC)

Element set: GSFC-021

Inclination: 57.0049 deg

RA of node: 151.0369 deg Space Shuttle Flight STS-56

Eccentricity: 0.0003961 Keplerian Elements

Arg of perigee: 279.5591 deg

Mean anomaly: 80.5039 deg

Mean motion: 15.92828848 rev/day Semi-major Axis: 6672.5032 Km

Decay rate: 0.45E-03 rev/day*2 Apogee Alt: 296.76 Km

Epoch rev: 97 Perigee Alt: 291.47 Km

NOTE - This element set is based on NORAD element set # 021.

The spacecraft has been propagated to the next ascending
node, and the orbit number has been adjusted to bring it
into agreement with the NASA numbering convention.

--

Gary Morris KK6YB Internet: elements-request@telesoft.com
San Diego, CA, USA Phone: +1 619-457-2700
(for Shuttle Elements subscription info, email: listserv@telesoft.com)

End of Info-Hams Digest V93 #461
